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#### Before the **Federal Communications Commission** Washington, D.C. 20554

In the Matter of	)		- OCUETA
	)		
Amendment of Section 73.202(b),	)	MM Docket No.	
Table of FM Allotments	)	RM-	
(Brighton and Dansville, New York)	)		
-	)		

To: Chief, Allocations Branch

#### PETITION FOR RULEMAKING

American Radio Systems License Corp. ("American"), licensee of Radio Station WZNE(FM), Channel 231A, Brighton, New York, by its attorneys, hereby respectfully petitions the Commission to institute a rulemaking to amend the Table of FM Allotments, 47 C.F.R. § 73.202(b), to substitute Channel 231B1 for Channel 231A at Brighton, New York, and to modify the license of WZNE(FM) to specify operation on Channel 231B1. American also requests the substitution of Channel 246A for Channel 230A at Dansville, New York, and the modification of the license of WDNY(FM) to conform with this substitution. In short, American proposes to amend the FM Table of Allotments as follows:

Community	Present Allotment	Proposed Allotment
Brighton	231A	231B1
Dansville	230A	246A

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respective principal community contours, thereby providing better service to their

communities of license. The substitutions would not adversely affect Dan-Way or any other

domestic or international broadcast license. Moreover, as set forth in the attached

Engineering Statement, the proposed allotments would satisfy all of the Commission's

spacing requirements.

American certifies that, upon grant of the requested amendments to the FM Table of

Allotments, it will promptly submit an application for a construction permit to implement the

facilities changes required and will complete construction under such a permit in the most

expeditious manner.

WHEREFORE, for the foregoing reasons, American respectfully requests that the

Commission amend Section 73.202(b) of its Rules to substitute Channel 231B1 for Channel

231A at Brighton, New York, to substitute Channel 246A for Channel 230A at Dansville,

New York, and to modify the licenses of WZNE(FM) and WDNY(FM) accordingly.

Adoption of this proposal will serve the public interest because the changes proposed herein

will enable WZNE(FM) and WDNY(FM) to provide better coverage to their service areas,

resulting in a more efficient use of the broadcast spectrum.

Respectfully Submitted,

AMERICAN RADIO SYSTEMS LICENSE CORP.

December 24, 1997

John R. Feore, Jr.

M. Anne Swanson

Kevin P. Latek

Its Attorneys

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The Commission recently granted a new construction permit for WZNE(FM) (formerly WAQB-FM) (BPH-930527MJ), and the Commission has before it a pending license application for the station (BLH-961003KB). The construction permit authorizes WZNE(FM) to operate on the equivalent of 3 kW ERP at an antenna height above average terrain of 100 meters. American's proposal would enable WZNE(FM) to increase service to its community of license and surrounding areas by upgrading to a higher class.

In order to accommodate the proposed channel change for WZNE(FM), American respectfully requests that the Commission substitute Channel 246A for Channel 230A at Dansville. As demonstrated in the attached engineering statement, the Dansville channel change would eliminate the sole domestic short spacing that otherwise would result from WZNE(FM)'s proposed upgrade. Moreover, the Dansville channel change would enable WDNY(FM), the radio station currently licensed to Channel 230A, to upgrade its facilities from (the equivalent of) 3 kW to 6 kW, and, therefore, to provide improved service to Dansville.

American will soon enter into a written agreement with Dan-Way-Coa Broadcasting Co., Inc. ("Dan-Way"), the licensee of WDNY(FM), whereby the latter will not object to proposed modification of WDNY(FM) and the former will compensate the latter for its compliance with this proposal. Consequently, neither the Brighton channel change nor the Dansville channel change will adversely affect any party.

The proposed changes to the Table of Allotments would result in a preferential arrangement of FM allotments and would serve the public interest. Both WZNE(FM) and WDNY(FM) would be able to increase the strength of their signal coverages to their

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ENGINEERING STATEMENT

PREPARED IN SUPPORT OF A

PETITION FOR RULEMAKING

TO AMEND THE TABLE OF

ALLOTMENTS TO ADD CHANNEL 231B1

AT BRIGHTON, NEW YORK

SEPTEMBER 1997

# ENGINEERING STATEMENT PREPARED IN SUPPORT OF A PETITION FOR RULEMAKING TO AMEND THE TABLE OF ALLOTMENTS TO ADD CHANNEL 231B1 AT BRIGHTON, NEW YORK

#### SEPTEMBER 1997

#### **SUMMARY**

The following engineering statement has been prepared on behalf of American Radio Systems License Corp. ("ARS") in support of its petition to add Channel 231B1 (94.1 mHz) to the FM Table of Allotments, Section 73.202 of the Commission's Rules, and to delete Channel 231A. The proposal complies with Section 73.207 of the Rules for domestic facilities, with the March 1989 working arrangement "For The Allotment And Assignment Of FM Broadcasting Channels" with Canada and with Section 73.315 concerning 70 dBu service to the community of license.

This statement is complete with the following:

Exhibits:

- I. Allocation study for Channel 231B1, Brighton, New York.
- II. Allocation study for Channel 246A, Dansville, New York.
- III. Distance to the 48 dBu F(50,10) contour to CBBB, Channel 232, and distance to the 34 dBu F(50,10) contour to CBLFM, Channel 231C1.
- IV. Distance to the proposed 70 and 60 dBu F(50,50) contours for Channel231B1, Brighton, New York.
- V. Distance to the proposed 34 dBu F(50,10) contour for Channel 246A,Dansville, New York.
- VI. Distance to the proposed 70 and 60 dBu F(50,50) contours for Channel 246A, Dansville, New York.
- VII Horizontal plane radiation pattern for notification purposes for Channel 231B1 at Brighton, New York.

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Figures:

- 1. Channel 231B1 U.S./Canadian allocation mapping.
- Distance to the proposed 70 dBu and 60 dBu service contours for Brighton, New York, Channel 231B1, from the proposed reference coordinates.
- 3. Channel 246A U.S./Canadian allocation mapping.
- 4. Distance to the proposed 70 dBu and 60 dBu service contours for Dansville, New York, Channel 246A, from the proposed reference coordinates.
- Horizontal plane radiation pattern for notification purposes for Channel 231B1, Brighton, New York. <u>Figure 5A</u>, relative field, <u>Figure 5B</u>, relative dB.

#### REFERENCE COORDINATES/TECHNICAL CHARACTERISTICS

The reference coordinates for the proposed Channel 231B1 allocation at Brighton, New York are:

North Latitude 4

43° 08' 07"

West Latitude

77° 35' 07"

The 8 radial AAT for the reference coordinates is 147.1 meters. The radiation center used for the contour study is, therefore, 247.1 meters AMSL, 100 meters HAAT.

The reference coordinates for the proposed Channel 246A allotment at Dansville, New York are:

North Latitude

42° 22' 26"

West Latitude

77° 44' 25"

The 8 radial AAT for the reference coordinates is 498.9 meters. The radiation center used for the contour study is, therefore, 598.9 meters AMSL, 100 meters HAAT.

#### **COMMUNITY CHARACTERISTICS**

Brighton is located in Monroe County, New York. 1990 U.S. Census data for the city and county follow:

**Brighton** 

Monroe County

1990 Census

34,455 persons

713,968 persons

Dansville is located in Livingston County, New York. 1990 U.S. Census data for the city and county follow:

Dansville

Livingston

1990 Census

5,002

62,372

The only Radio facility currently licensed to Brighton is WZNE(FM) for which the instant upgrade is proposed. WDNY-FM is the only FM facility authorized to Dansville, New York. Dansville is also served by full-time AM station WDNY-AM, 1400 kHz.

#### **ALLOCATION CONSIDERATIONS**

All eighty commercial FM channels were searched in an effort to find a channel which could be allocated to Brighton while meeting both domestic and international minimum distance separation standards. No channel was found that would satisfy this criteria completely. The proposed upgrade allotment provides full contour protection to pertinent Canadian facility border areas. In fact, the Commission originally negotiated a "specially coordinated short-spaced allotment" for the current Channel 231A allotment as a B1 at Brighton, New York. It is the affiant's understanding that the channel was modified to a Class A allotment as part of the July 9, 1997 amendment to the U.S.-Canada FM Agreement. However, this modification in no way impacts the proposal herein. Channel 231B1 also satisfies all Section 73.207 minimum distance separation standards to domestic stations with the exception of WDNY, Channel 230A, Dansville, New York. WDNY, however, has agreed to move its facility to Channel 246A, thereby removing the mutual exclusivity. Details for the WDNY Channel 246A allotment substitution may be found in Exhibit II and Figures 3 and 4. A "specially coordinated

short-spaced allotment' to Canada is respectfully requested for Channel 246A at Dansville, New York. The reference coordinates selected herein comply with all pertinent contour overlap requirements. ERP and HAAT limitations toward pertinent points on Canadian land area for channel 231B1 are tabulated below. There are no HAAT/ERP limitations for Channel 246A at Dansville, New York.

<u>Azimuth</u>	HAAT - Meters	ERP - kW
20	144	19.9
25	148	19.9
260	76	6.0
265	75	5.5
270	76	7.9
275	76	7.9
280	77	9.7

#### **CONCLUSION**

The Channel 231B1 allotment proposed for Brighton, New York meets all applicable Commission Technical standards and is in full compliance with applicable contour protection standards concerning Canadian allotments. The substitution of Channel 246A for Channel 230A at Dansville, New York allows WDNY to upgrade from 3 kW to 6 kW facilities and also meets all applicable allocation and coverage standards.

The foregoing was prepared on behalf of American Radio Systems License Corp. by Clarence M. Beverage of Communications Technologies, Inc., Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct,

Clarence M. Beverage for Communications Technologies, Inc. Marlton, New Jersey

SUBSCRIBED AND SWORN TO before me,

this 1/th day of <u>September</u>, 1997,

<del>Isther G. Sparbeek</del>, NOTARY PUBLIC

ESTHER G. SPERBECK **NOTARY PUBLIC OF NEW JERSEY** MY COMMISSION EXPIRES OCT 15, 1997

#### EXHIBIT I

## CHANNEL 231B1 ALLOCATION STUDY BRIGHTON, NEW YORK

#### SEPTEMBER 1997

Search of Channel 231B1 (94.1 MHz), at N. 43 8 7, W. 77 35 7.

Searching Channel 231B1 (94.1 MHz), from the site of WZNE:

CALL	CITY	ST	CHN	CL	S	DIST	SEPN	BRNG	CLEARANCE
ALC		NY	229	===: A	=== U	58.2	48.0	95.5°	10.2
ALC	Depew	NY	229	В	U	108.6	71.0	255.2°	37.6
WBLK	Depew	NY	229	В	L	108.6	71.0	255.2°	37.6
WLLW	Clyde	NY	229	Α	L	60.6	48.0	105.0°	12.6
ALC	Dansville	NY	230	Α	U	64.7	89.0	186.6°	$-24.3^{-1}$
WDNYFM	Dansville	NY	230	Α	L	69.3	89.0	183.4°	$-19.7^{-1}$
WKXZ	Norwich	NY	230	В	Α	184.9	145.0	112.2°	39.9
CBLFM	Toronto	ON	231	C1		156.5	256.0	291.1°	-99.5 <sup>2</sup>
ALC	Brighton	NY	231	Α	U	11.0	138.0	82.3°	-127.0
WZNE	Brighton	NY	231	Α	С	0.0	138.0	0.0°	-138.0
WZNE	Brighton	NY	231	Α	Α	0.0	138.0	0.0°	-138.0
CBBBFM	Belleville	ON	232	В		134.3	149.0	13.1°	$-14.7^{-2}$
WIRQ	Rochester	NY	232	D	$\mathbf{L}$	9.1	0.0	353.7°	9.1
WIRQ	Rochester	NY	284	D	C	9.1	0.0	353.7°	9.1

<sup>&</sup>lt;sup>1</sup> To Channel 246, see Table II.

<sup>&</sup>lt;sup>2</sup> See Figure 1.

#### **EXHIBIT II**

### CHANNEL 246A ALLOCATION STUDY DANSVILLE, NEW YORK

#### SEPTEMBER 1997

Search of channel 246A6 (97.1 MHz), at N. 42 22 26, W. 77 44 25.

Searching Channel 246A6 (97.1 MHz):

CALL	CITY		ST	CHN	CL	S	DIST	SEPN	BRNG	CLEARANCE
ALC	Rochester		NY	243	===: B	=== U	85.5	69.0	8.6°	16.5
WCMFFM	Rochester		NY	243	В	L	85.5	69.0	8.6°	16.5
ALC	Buffalo		NY	245	В	U	77.7	113.0	299.5°	-35.3
WGRFFM	Buffalo		NY	245	В	L	113.3	113.0	304.7°	0.3
ALC	Ridgebury		PA	245	Α	U	96.1	72.0	122.3°	24.1
WMKB	Ridgebury		PA	245	Α	L	93.3	72.0	122.0°	21.3
CIGLFM	Belleville		ON	246	В		204.6	223.0	7.6°	$-18.4^{-1}$
NEW-T	Dansville		NY	246	D	Α	17.4	0.0	29.7°	17.4
ALC	Toronto		ON	247	C1		194.7	181.0	316.4°	13.7
ALC	Ithaca		NY	247	В	U	113.0	113.0	84.9°	-0.0
WYXL	Ithaca		NY	247	В	L	113.0	113.0	84.9°	-0.0
ALC	Big Flats		NY	249	Α	U	65.0	31.0	113.4°	34.0
WGMM	Big Flats		NY	249	Α	L	62.6	31.0	112.1°	31.6
ALC	Wethersfield	Township	NY	299	В	U	52.8	15.0	301.6°	37.8
WNUC	Wethersfield	Township	NY	299	В	L	52.8	15.0	301.6°	37.8
WNUC	Wethersfield	Township	NY	299	В	С	52.8	15.0	301.6°	37.8

<sup>&</sup>lt;sup>1</sup> See Figure 3.

#### **EXHIBIT III**

#### DISTANCE TO F(50,10) CONTOURS AMERICAN RADIO SYSTEMS LICENSE CORP. CHANNEL 231B1 BRIGHTON, NEW YORK

#### **SEPTEMBER 1997**

DISTANCES TO CONTOURS (Kilometers):

Frequency: 94.1 MHz

Coordinates: N 43 8 7 W 77 35 7 F(50,10) Curves Number of Contours: 2

AZ (degs)	HAAT (m)	ERP	CONTOUR 48.0	R LEVELS	(dBu):
======				=======	=====
.0	141	19.8470	83.3	147.0	
5.0	143	19.8470		147.3	
10.0	144	19.8470		147.4	
15.0	143	19.8470		147.3	
20.0	144	19.8470		147.6	
25.0	148	19.8470	84.4	148.2	
30.0	145	25.0000	87.3	153.9	
35.0	141	25.0000	86.7	153.1	
40.0	140	25.0000	86.6	153.1	
45.0	135	25.0000	85.8	152.2	
50.0	130	25.0000	85.0	151.2	
55.0	122	25.0000	83.8	149.9	
60.0	115	25.0000	82.7	148.8	
65.0	111	25.0000		148.1	
70.0	110	25.0000		148.0	
75.0	108	25.0000		147.7	
80.0	106	25.0000		147.3	
85.0	110	25.0000		147.9	
90.0	111	25.0000		148.2	
95.0	108	25.0000		147.6	
100.0	110	25.0000		147.9	
105.0	110	25.0000		148.0	
110.0	109	25.0000		147.7	
115.0	104	25.0000		146.9	
120.0	99	25.0000		146.0	
125.0	91	25.0000		144.6	
130.0	87	25.0000		144.1	
135.0	89	25.0000		144.3	
140.0	88	25.0000		144.2	
145.0	88	25.0000		144.1	
150.0	77	25.0000		142.2	
155.0	71	25.0000		141.1	
160.0	63	25.0000	72.6	139.8	

# EXHIBIT III PAGE 2

AZ (degs)	HAAT (m)	ERP (kW)	CONTOUR 48.0	34.0	(dBu):
165.0 170.0 175.0	53 53 56	25.0000 25.0000 25.0000	69.6 70.6	137.7 137.4 138.2	= = = = = =
180.0 185.0 190.0 195.0	58 61 64 66	25.0000 25.0000 25.0000 25.0000	72.1	138.7 139.4 139.8 140.2	
200.0 205.0 210.0 215.0	69 66 68 73	25.0000 25.0000 25.0000 25.0000	73.3	140.9 140.3 140.6 141.6	
220.0 225.0 230.0 235.0	76 79 82 81	25.0000 25.0000 21.1830 17.6820	75.6 76.2 74.1	142.1 142.7 139.3 135.1	
240.0 245.0 250.0 255.0	81 81 80 80	14.2318 11.1556 8.9850 7.0490	67.7 : 63.9 : 60.7 :	130.1 124.2 118.7 112.7	
260.0 265.0 270.0 275.0	75 75 76	6.0025 5.4756 7.8961	54.3 53.2 58.2	108.1 106.0 114.8	
280.0 285.0 290.0	76 77 79 84	7.8961 9.7344 7.9102 6.2750	61.0 1 58.7 1 57.0 1	114.8 120.0 115.3 110.7	
295.0 300.0 305.0 310.0	88 93 98 105	8.0089 9.9540 9.9540 8.0089	65.0 66.0 64.2	117.4 123.8 124.7 120.5	
315.0 320.0 325.0 330.0	110 117 123 128	6.2750 5.0513 3.9601 5.0513	60.4 58.5 62.2	115.4 111.4 107.3 113.4	
335.0 340.0 345.0 350.0 355.0	132 135 135 135 138	6.2750 8.0089 9.9540 12.6914 15.7609	69.5 72.5 76.0	119.1 125.5 130.5 135.9 141.1	

#### **EXHIBIT IV**

#### DISTANCE TO F(50,50) CONTOURS AMERICAN RADIO SYSTEMS LICENSE CORP. CHANNEL 231B1 BRIGHTON, NEW YORK

#### SEPTEMBER 1997

DISTANCES TO CONTOURS (Kilometers):

Frequency: 94.1 MHz

Coordinates: N 43 8 7 W 77 35 7 F(50,50) Curves Number of Contours: 2

AZ (degs)	HAAT (m)	(kW)	CONTOUR 70.0	60.0	
.0	141 143	19.8470 19.8470	25.6		=====
10.0	144	19.8470		43.1	
15.0	143	19.8470	25.8	43.1	
20.0	144	19.8470	25.9	43.3	
25.0	148	19.8470	26.2	43.8	
30.0	145	25.0000	27.3	45.4	
35.0	141	25.0000	26.9	44.8	
40.0		25.0000		44.7	
45.0		25.0000		44.0	
50.0	130	25.0000		43.3	
55.0	122	25.0000		42.3	
60.0	115	25.0000		41.4	
65.0	111	25.0000		40.8	
70.0	110	25.0000		40.7	
75.0	108	25.0000		40.4	
80.0	106	25.0000		40.0	
85.0	110	25.0000		40.6	
90.0	111	25.0000		40.8	
95.0		25.0000		40.3	
100.0		25.0000			
105.0	110			40.7	
110.0		25.0000		40.5	
115.0 120.0		25.0000 25.0000		39.7	
125.0		25.0000		38.9 37.4	
130.0	87	25.0000		36.8	
135.0	89	25.0000		37.1	
140.0	88	25.0000		36.9	
145.0	88	25.0000		36.9	
150.0	77	25.0000		34.7	
155.0	71	25.0000		33.4	
160.0	63	25.0000		31.8	

#### EXHIBIT IV PAGE 2

AZ (degs)	HAAT (m)	ERP (kW)	CONTOUR 70.0	LEVELS 60.0	(dBu):
(degs)		(kW)	70.0 17.0 16.9 17.8 18.6 18.9 19.0 19.2 19.3 20.2 19.3 20.2 19.3 18.5 15.0 14.9 15.9 15.9 16.3 17.0 18.4 16.3 17.9 18.4 18.9 17.0 18.4 18.9 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19		(dBu):
350.0 355.0	135 138	12.6914 15.7609		38.4 40.5	

#### **EXHIBIT V**

#### DISTANCE TO F(50,10) CONTOURS WDNY CHANNEL 246A DANSVILLE, NEW YORK

#### **SEPTEMBER 1997**

DISTANCES TO CONTOURS (Kilometers):

Frequency: 97.1 MHz

Coordinates: N 42 30 45 W 77 38 7 F(50,10) Curves Number of Contours: 1

AZ (degs)	HAAT (m)	ERP (kW)	CONTOUR 54.0		(dBu):
				=	======
. 0	69	6.0000	36.3		
5.0	73	6.0000	37.4		
10.0	123	6.0000	47.6		
15.0	148	6.0000			
20.0	112	6.0000	46.0		
25.0	89	6.0000	41.2		
30.0	62	6.0000	34.2		
35.0	62	6.0000	34.4		
40.0	85	6.0000			
45.0	79	6.0000			
50.0	78	6.0000	38.7		
55.0	69	6.0000	36.1		
60.0	106	6.0000	44.9		
65.0	114	6.0000	46.2		
70.0	80	6.0000	39.1		
75.0	58	6.0000	33.0		
80.0	60	6.0000	33.7		
85.0	57	6.0000	32.6		
90.0	55	6.0000	32.0		
95.0	41	6.0000	27.1		
100.0	45	6.0000	28.6		
105.0	62	6.0000	34.2		
110.0	59	6.0000	33.3		
115.0	36	6.0000	25.6		
120.0	21	6.0000	23.6		
125.0	13	6.0000			
130.0	5	6.0000			
135.0	2	6.0000	23.6		
140.0	-7	6.0000			
145.0	-4	6.0000			
150.0	-18	6.0000			
155.0	-30	6.0000			
160.0	-30	6.0000	23.6		

EXHIBIT V PAGE 2

AZ (degs)	HAAT (m)	ERP (kW)	CONTOUR 54.0	(dBu):
-		6.0000 6.0000	23.6 23.6 23.6 23.6 23.6 23.6 23.6 23.6	

#### EXHIBIT VI DISTANCE TO F(50,50) CONTOURS WDNY CH 246 A DANSVILLE, NEW YORK

#### SEPTEMBER 1997

#### DISTANCES TO CONTOURS (Kilometers):

Frequency: 97.1 MHz

Coordinates: N 42 22 26 W 77 44 25 F(50,50) Curves Number of Contours: 2

ΑZ	HAAT	ERP	CONT	OUR LEVELS (dBu):
(degs)	<u>(m)</u>	<u>(kW)</u>	<u>70.0</u>	<u>60.0</u>
.0	196	6.0000	22.6	38.5
5.0	227	6.0000	24.3	40.8
10.0	220	6.0000	23.9	40.3
15.0	168	6.0000	21.2	36.1
20.0	157	6.0000	20.5	34.8
25.0	142	6.0000	19.5	33.2
30.0	128	6.0000	18.5	31.6
35.0	100	6.0000	16.2	28.3
40.0	89	6.0000	15.1	26.7
45.0	77	6.0000	14.0	25.0
50.0	75	6.0000	13.9	24.8
55.0	81	6.0000	14.3	25.6
60.0	79	6.0000	14.2	25.3
65.0	90	6.0000	15.2	26.9
70.0	103	6.0000	16.4	28.7
75.0	111	6.0000	17.1	29.6
80.0	111	6.0000	17.2	29.7
85.0	119	6.0000	17.8	30.6
90.0	139	6.0000	19.2	32.8
95.0	155	6.0000	20.4	34.7
100.0	120	6.0000	17.9	30.7
105.0	109	6.0000	17.0	29.4
110.0	103	6.0000	16.4	28.7
115.0	121	6.0000	18.0	30.8
120.0	129	6.0000	18.6	31.7
125.0	153	6.0000	20.2	34.4
130.0	189	6.0000	22.3	37.9
135.0	216	6.0000	23.7	40.0
140.0	164	6.0000	20.9	35.6
145.0	127	6.0000	18.4	31.4

#### EXHIBIT VI Page 2

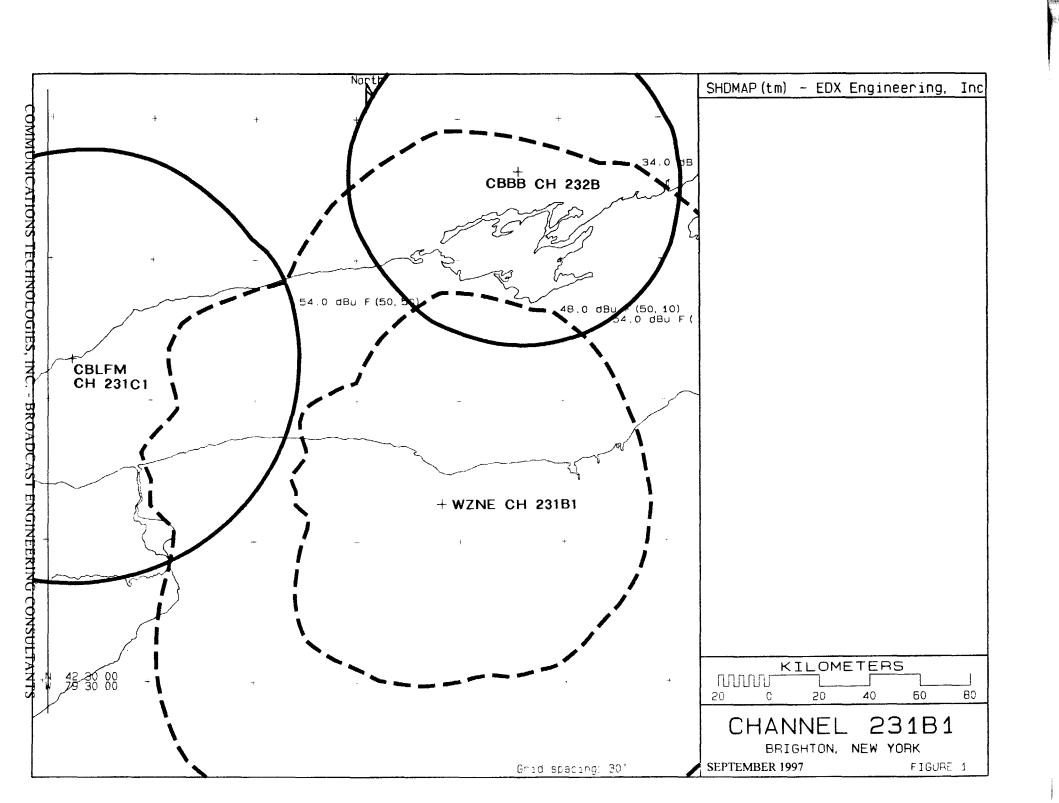
ΑZ	HAAT	ERP	CONT	OUR LEVELS (dBu):
(degs)	<u>(m)</u>	<u>(kW)</u>	<u>70.0</u>	<u>60.0</u>
150.0	104	6.0000	16.6	28.8
155.0	82	6.0000	14.5	25.8
160.0	70	6.0000	13.4	24.0
165.0	76	6.0000	13.9	24.8
170.0	64	6.0000	12.9	23.1
175.0	47	6.0000	11.2	20.0
180.0	65	6.0000	13.0	23.3
185.0	111	6.0000	17.2	29.7
190.0	95	6.0000	15.7	27.7
195.0	59	6.0000	12.4	22.2
200.0	41	6.0000	10.3	18.4
205.0	30	6.0000	9.0	15.9
210.0	31	6.0000	9.1	16.1
215.0	20	6.0000	9.0	15.9
220.0	5	6.0000	9.0	15.9
225.0	-4	6.0000	9.0	15.9
230.0	-4	6.0000	9.0	15.9
235.0	1	6.0000	9.0	15.9
240.0	-5	6.0000	9.0	15.9
245.0	-14	6.0000	9.0	15.9
250.0	4	6.0000	9.0	15.9
255.0	32	6.0000	9.2	16.3
260.0	49	6.0000	11.4	20.4
265.0	50	6.0000	11.6	20.7
270.0	36	6.0000	9.7	17.3
275.0	25	6.0000	9.0	15.9
280.0	17	6.0000	9.0	15.9
285.0	15	6.0000	9.0	15.9
290.0	14	6.0000	9.0	15.9
295.0	19	6.0000	9.0	15.9
300.0	20	6.0000	9.0	15.9
305.0	38	6.0000	9.9	17.7
310.0	63	6.0000	12.8	22.9
315.0	76	6.0000	13.9	24.9
320.0	109	6.0000	17.0	29.5
325.0	113	6.0000	17.3	29.9
330.0	102	6.0000	16.4	28.6
335.0	118	6.0000	17.8	30.5
340.0	128	6.0000	18.5	31.6
345.0	117	6.0000	17.7	30.4
350.0	118	6.0000	17.8	30.6
355.0	150	6.0000	20.0	34.1

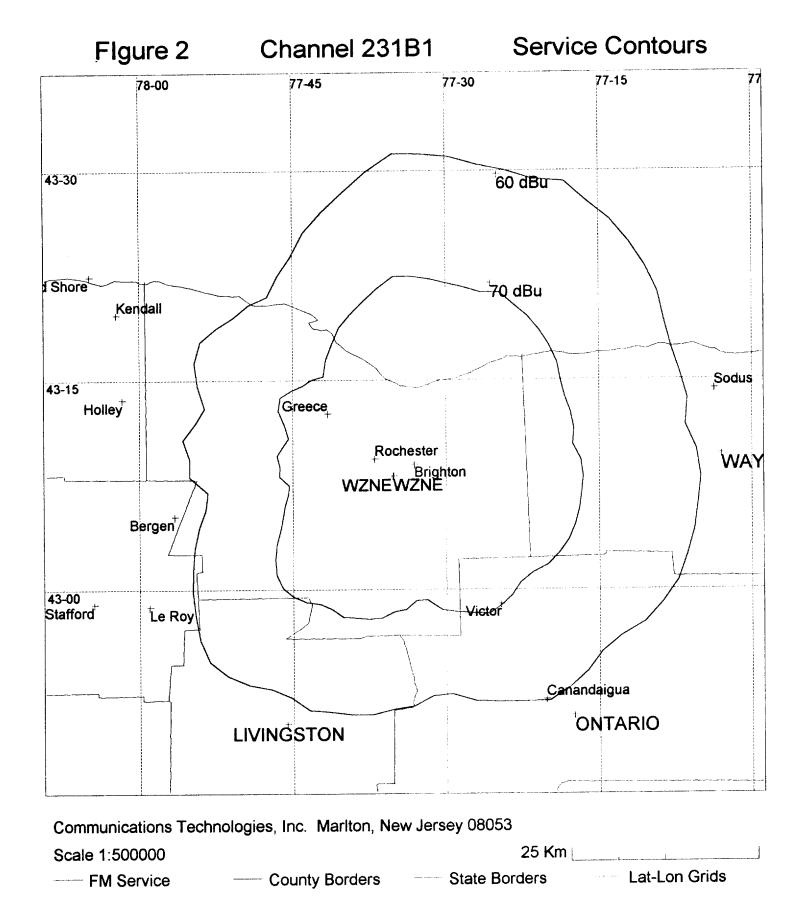
#### **EXHIBIT VII**

# HORIZONTAL PLANE RADIATION PATTERN ERI SHP-6AE 25 Kw @ 100 m HAAT CH 231B1 AMERICAN RADIO SYSTEMS LICENSE CORP. BRIGHTON, NEW YORK

#### SEPTEMBER 1997

AZIMUTH DEGREES TRUE	RELATIVE FIELD	RELATIVE dB	ERP <u>kW</u>
0-25°	0.891	-1	19.9
30-225	1.0	0	25
235	0.841	-1.5	17.7
245	0.668	-3.5	11.2
255	0.531	-5.5	7.0
260	0.490	-6.2	6.0
265	0.468	-6.6	5.5
270	0.562	-5	7.9
275	0.562	-5	7.9
280	0.624	-4.1	9.7
290	0.501	-6	6.3
300	0.631	-4	10.0
305	0.631	-4	10.0
315	0.501	-6	6.3
325	0.398	-8	4.0
335	0.501	-6	6.3
345	0.631	-4	10.0
355	0.794	-2	15.8





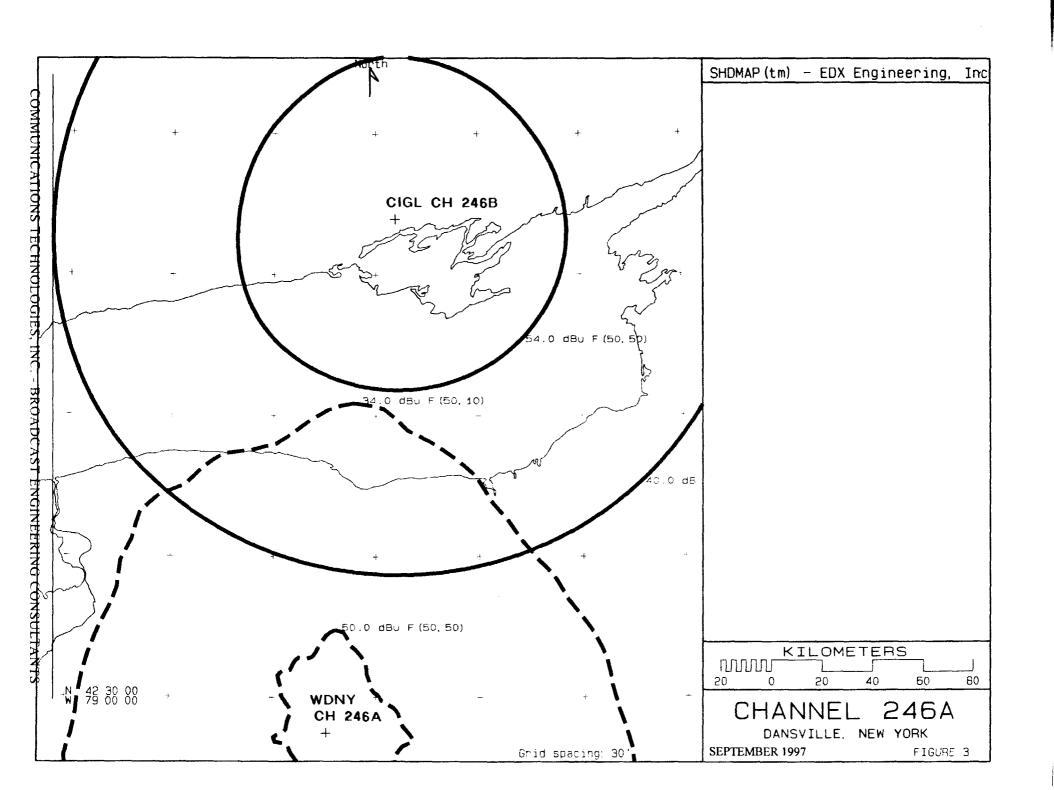
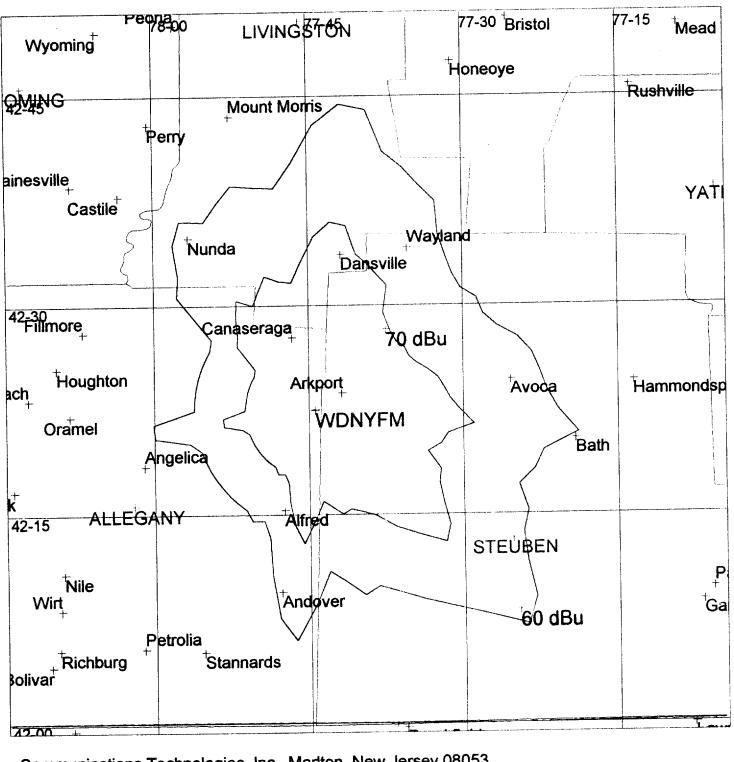


FIGURE 4 CHANNEL 246A SERVICE CONTOURS



12-00 +			L a
Communications Tec	chnologies, Inc. Marlton, N	ew Jersey 08053	
Scale 1:500000		25 Km	
FM Service	County Borders	State Borders	Lat-Lon Grids

